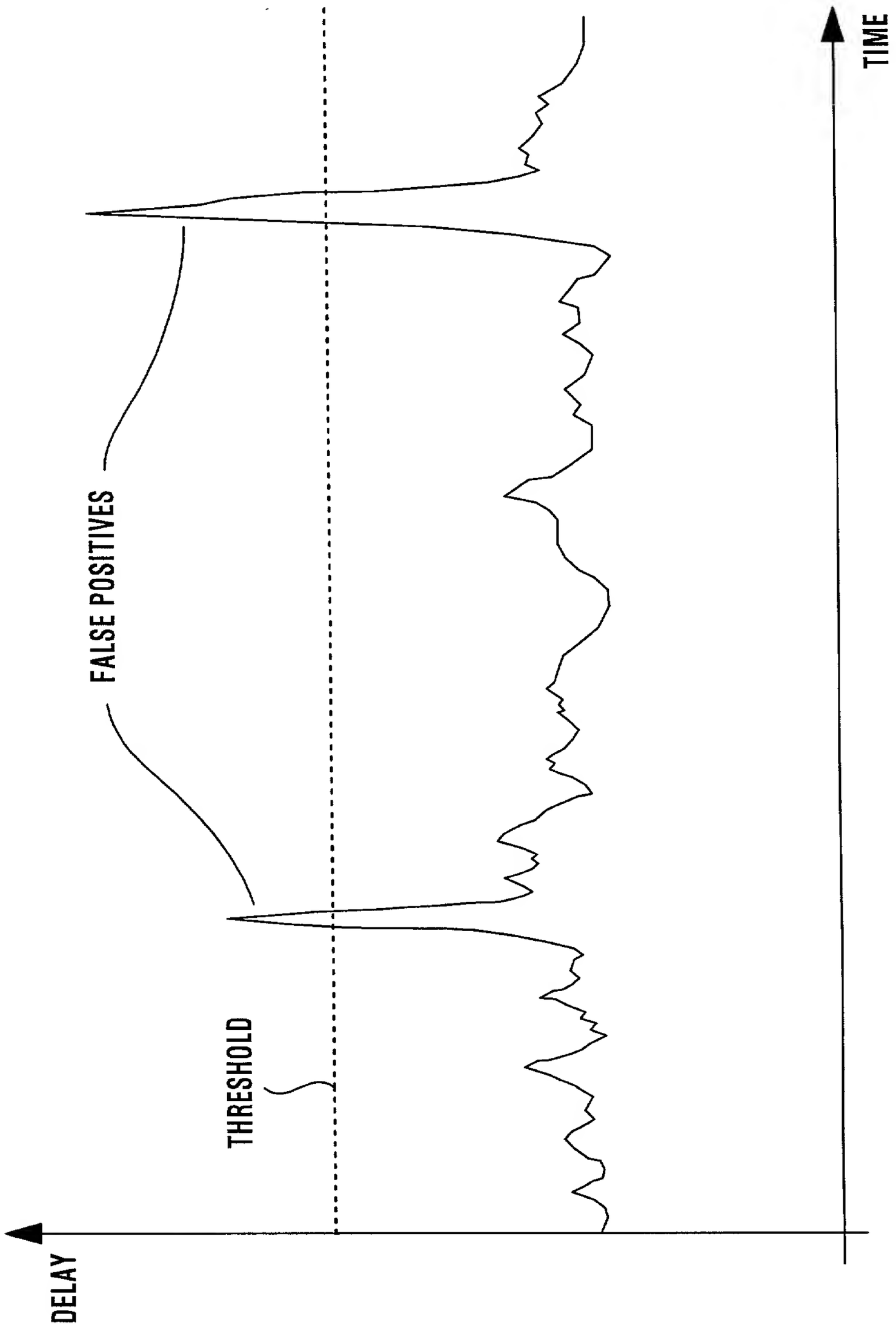

Figure 1 (PRIOR ART)

FOth260 T8528860

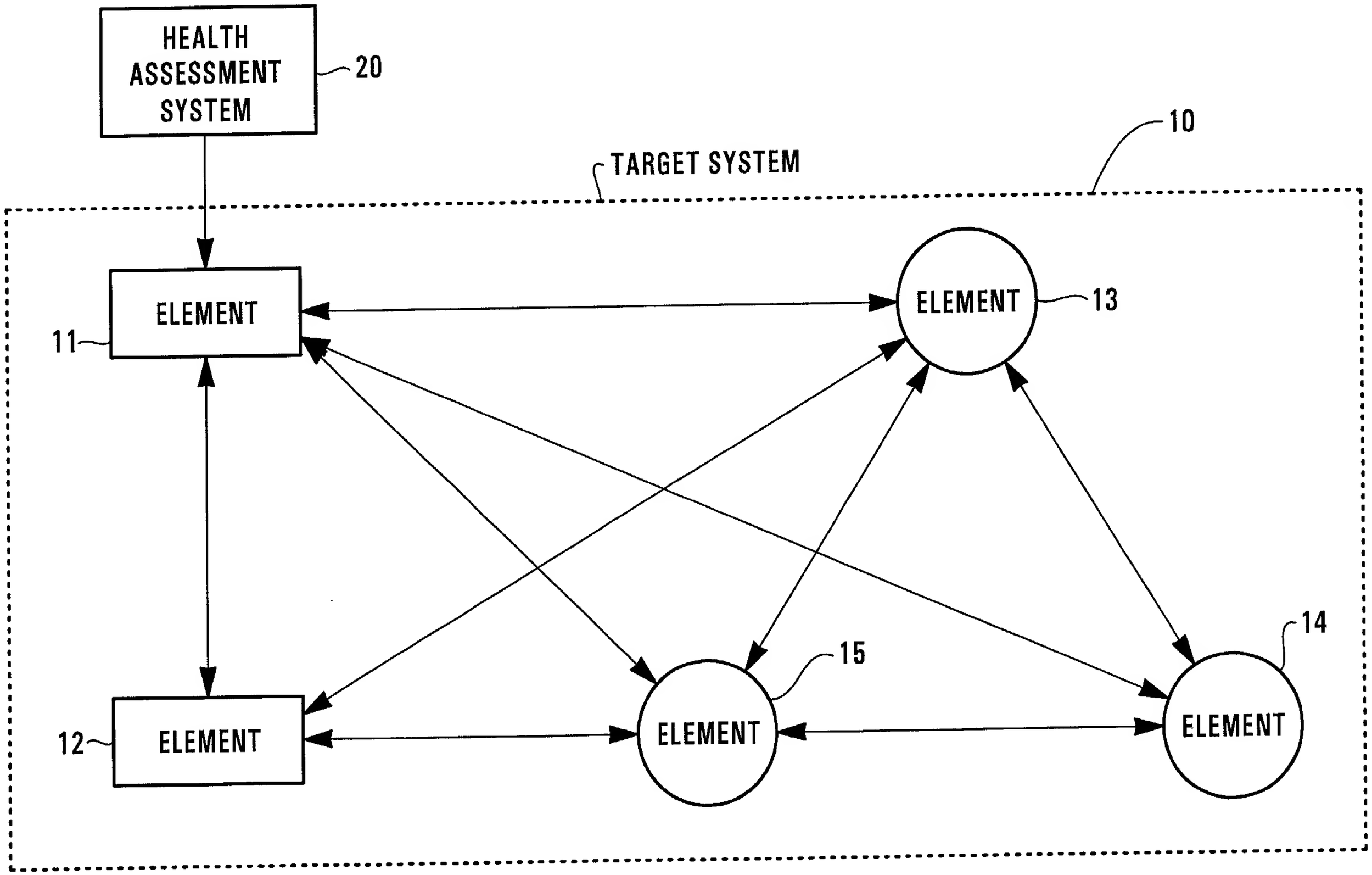

Figure 2

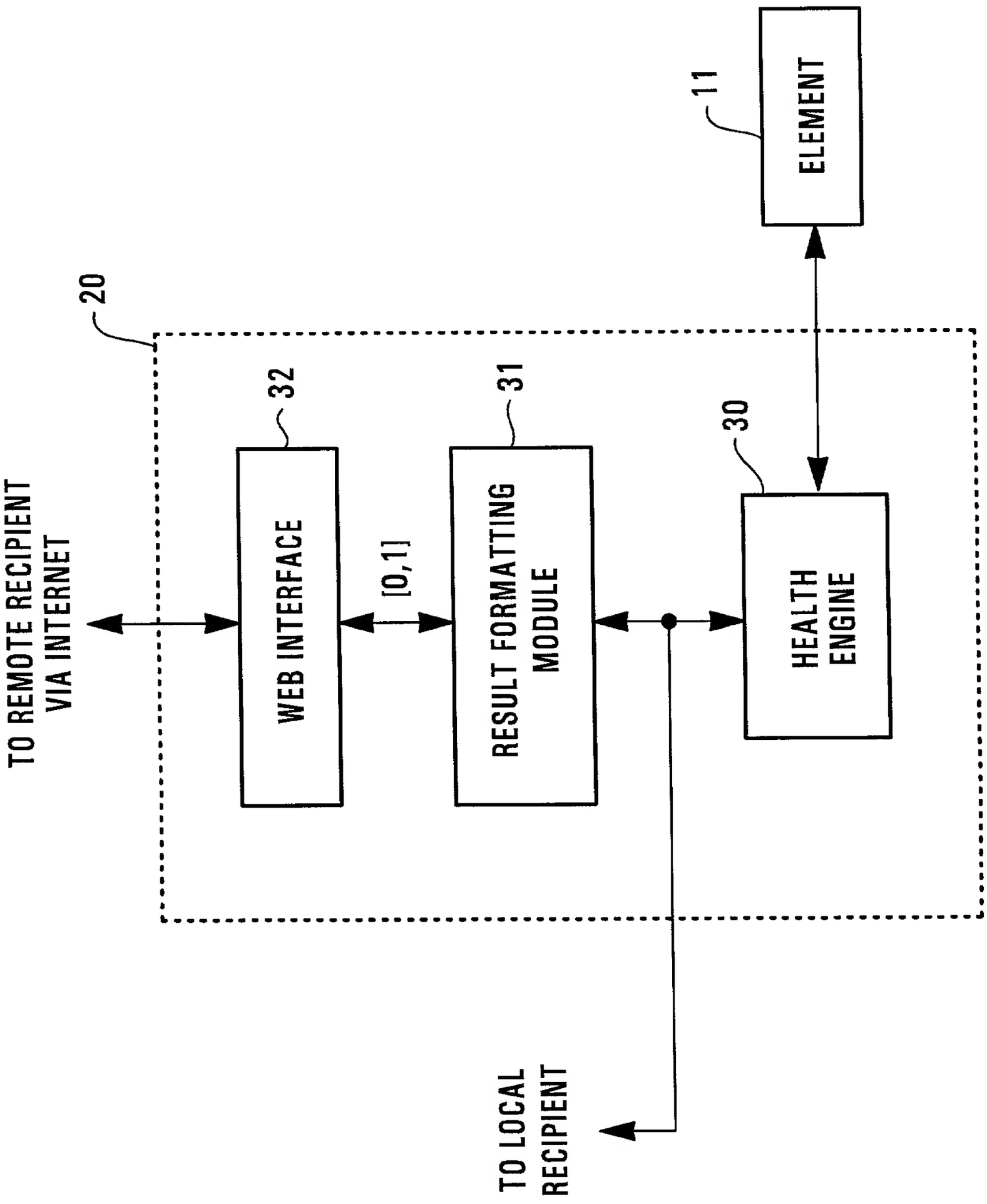
11
ELEMENT
20
TO REMOTE RECIPIENT VIA INTERNET
32
WEB INTERFACE
[0,1]
31
RESULT FORMATTING MODULE
30
HEALTH ENGINE
TO LOCAL RECIPIENT

Figure 3

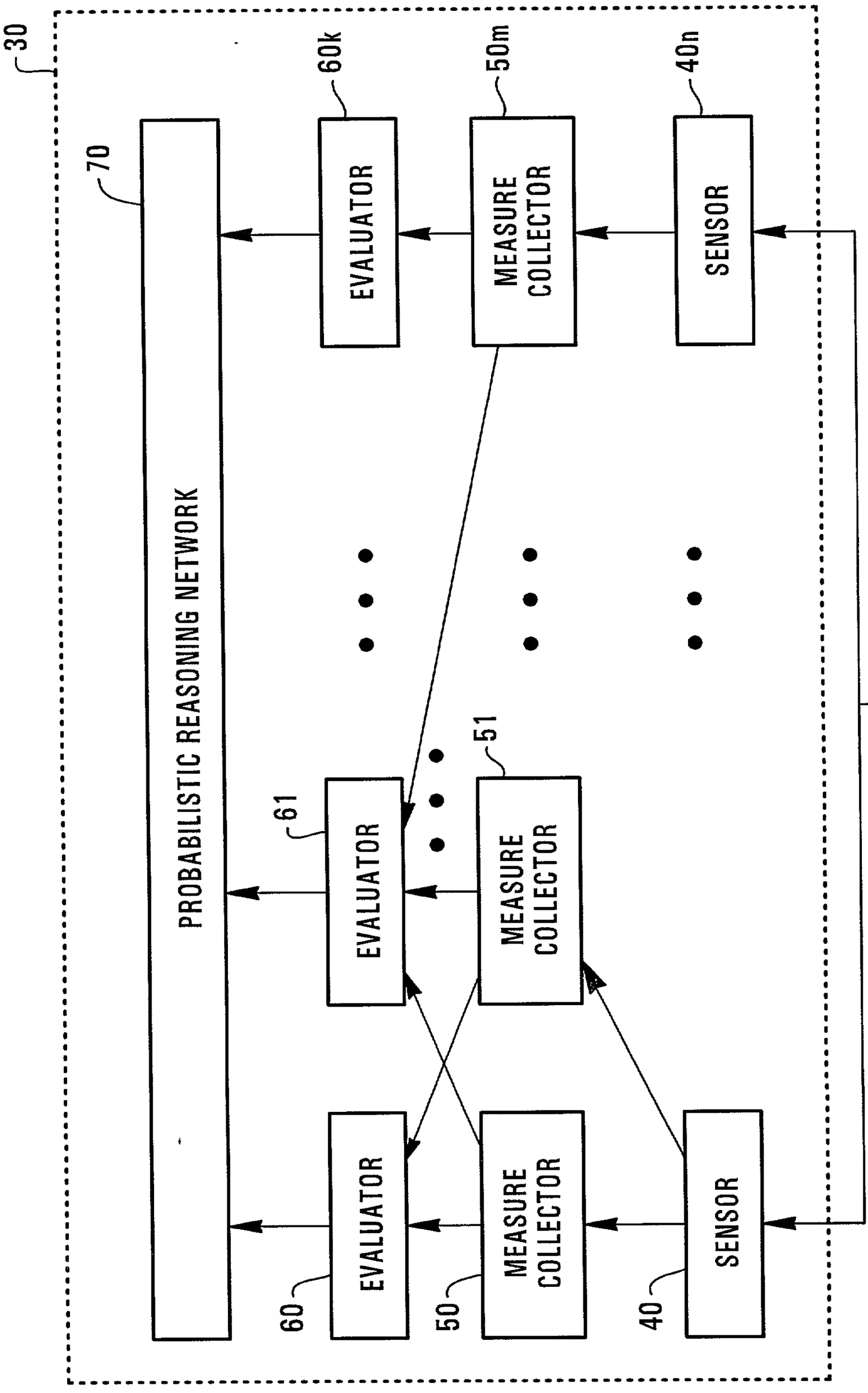
30
70
60k
50m
40n
EVALUATOR
MEASURE COLLECTOR
SENSOR
PROBABILISTIC REASONING NETWORK
61
51
EVALUATOR
MEASURE COLLECTOR
60
50
40
SENSOR
11
ELEMENT

Figure 4

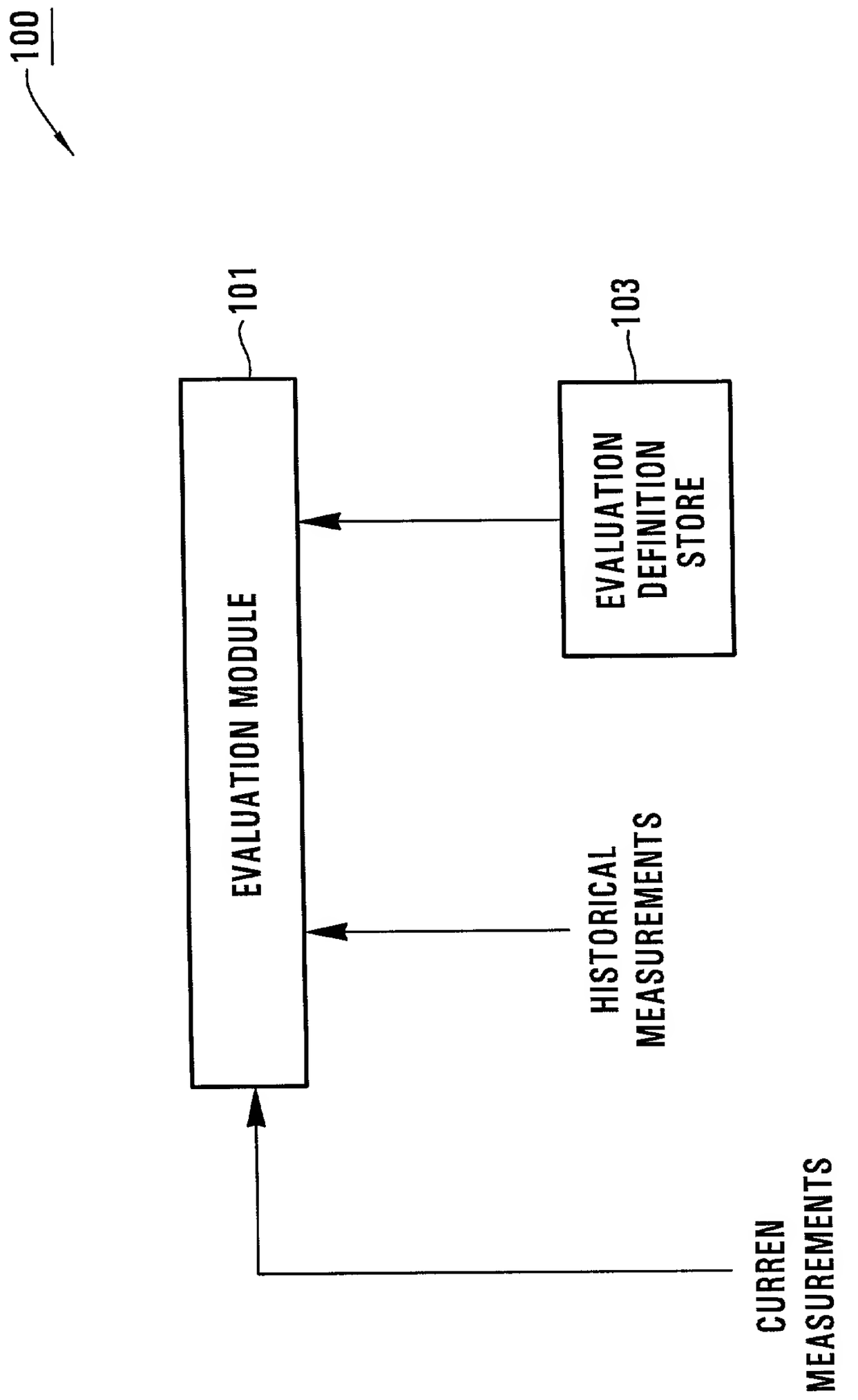
100
101
103
EVALUATION MODULE
EVALUATION DEFINITION STORE
HISTORICAL MEASUREMENTS
CURREN MEASUREMENTS

Figure 5

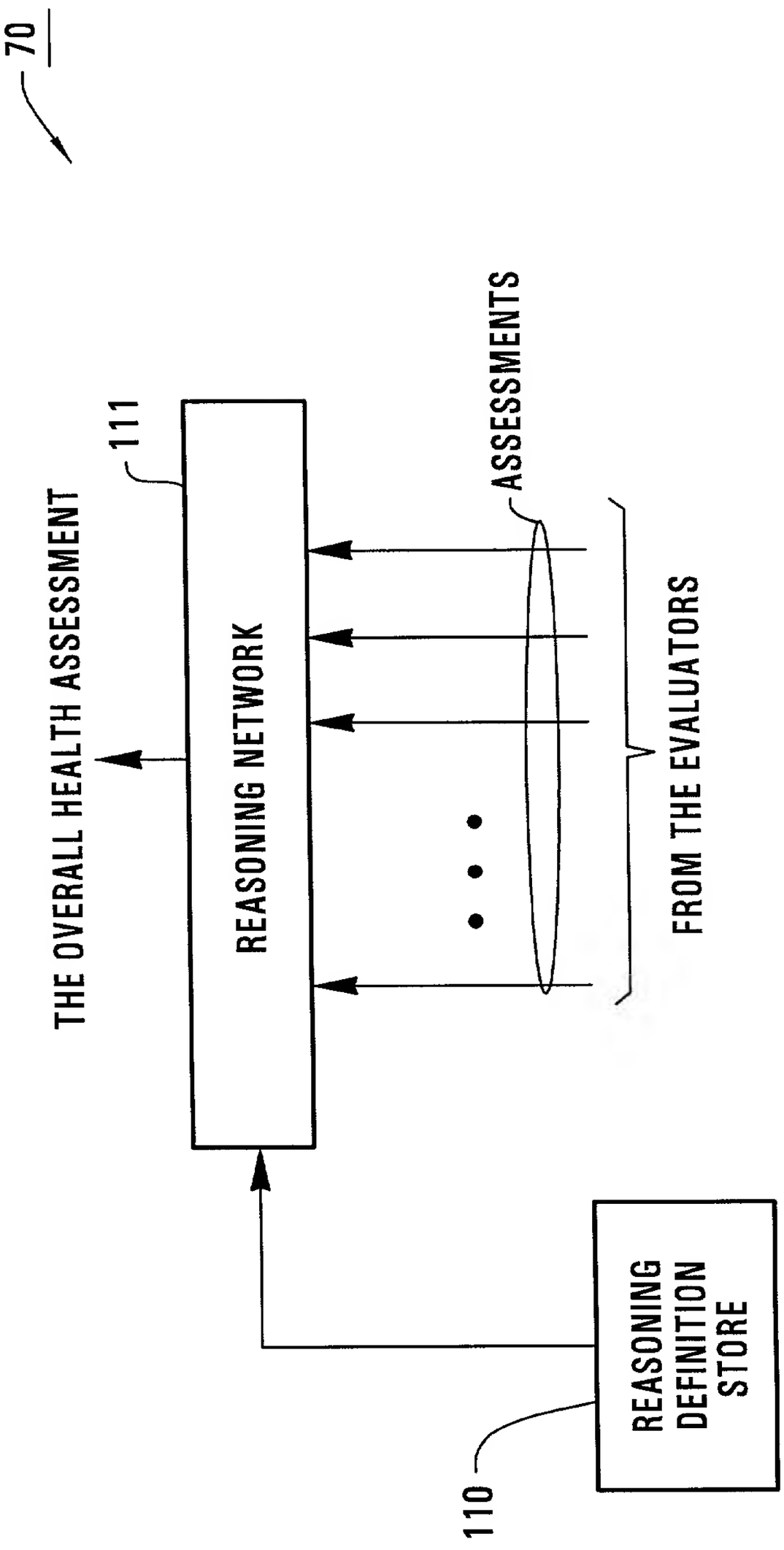
70
THE OVERALL HEALTH ASSESSMENT
111
REASONING NETWORK
ASSESSMENTS
FROM THE EVALUATORS
REASONING DEFINITION STORE
110

Figure 6

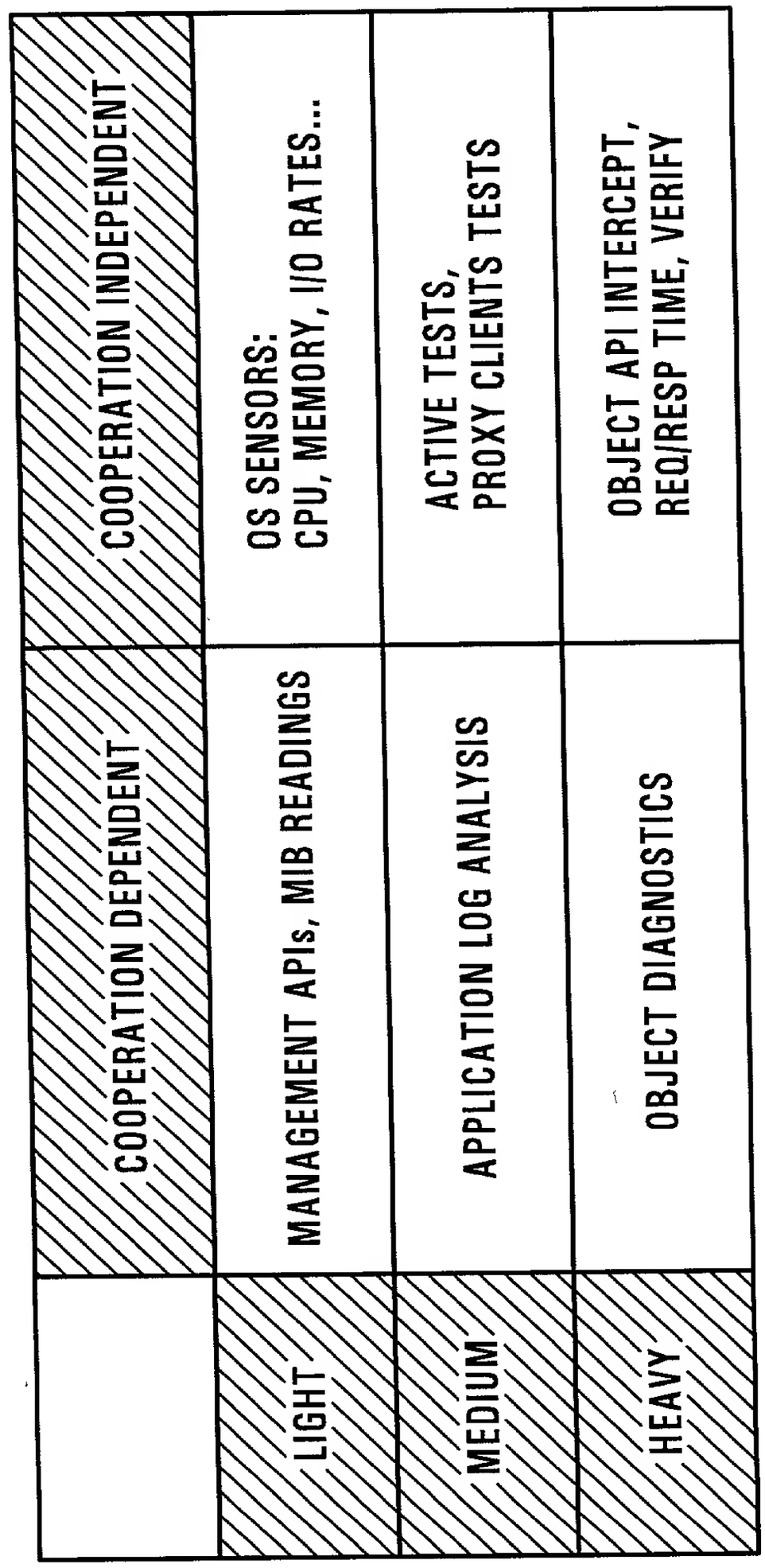
COOPERATION DEPENDENT
COOPERATION INDEPENDENT
MANAGEMENT APIs, MIB READINGS
OS SENSORS:
CPU, MEMORY, I/O RATES...
APPLICATION LOG ANALYSIS
ACTIVE TESTS,
PROXY CLIENTS TESTS
OBJECT DIAGNOSTICS
OBJECT API INTERCEPT,
REQ/RESP TIME, VERIFY
LIGHT
MEDIUM
HEAVY

Figure 7

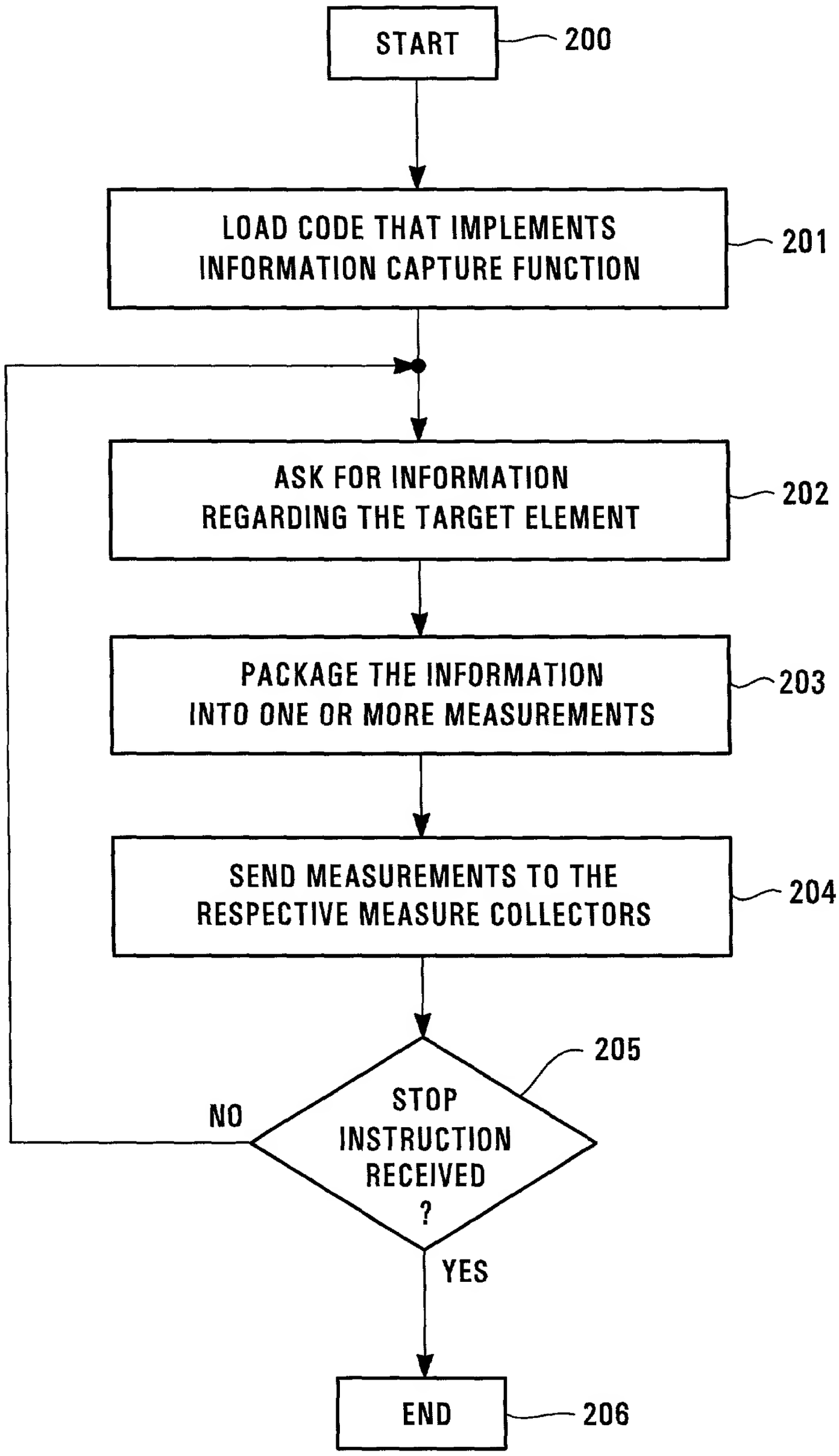
START
200
LOAD CODE THAT IMPLEMENTS INFORMATION CAPTURE FUNCTION
201
ASK FOR INFORMATION REGARDING THE TARGET ELEMENT
202
PACKAGE THE INFORMATION INTO ONE OR MORE MEASUREMENTS
203
SEND MEASUREMENTS TO THE RESPECTIVE MEASURE COLLECTORS
204
205
STOP INSTRUCTION RECEIVED ?
NO
YES
END
206

Figure 8

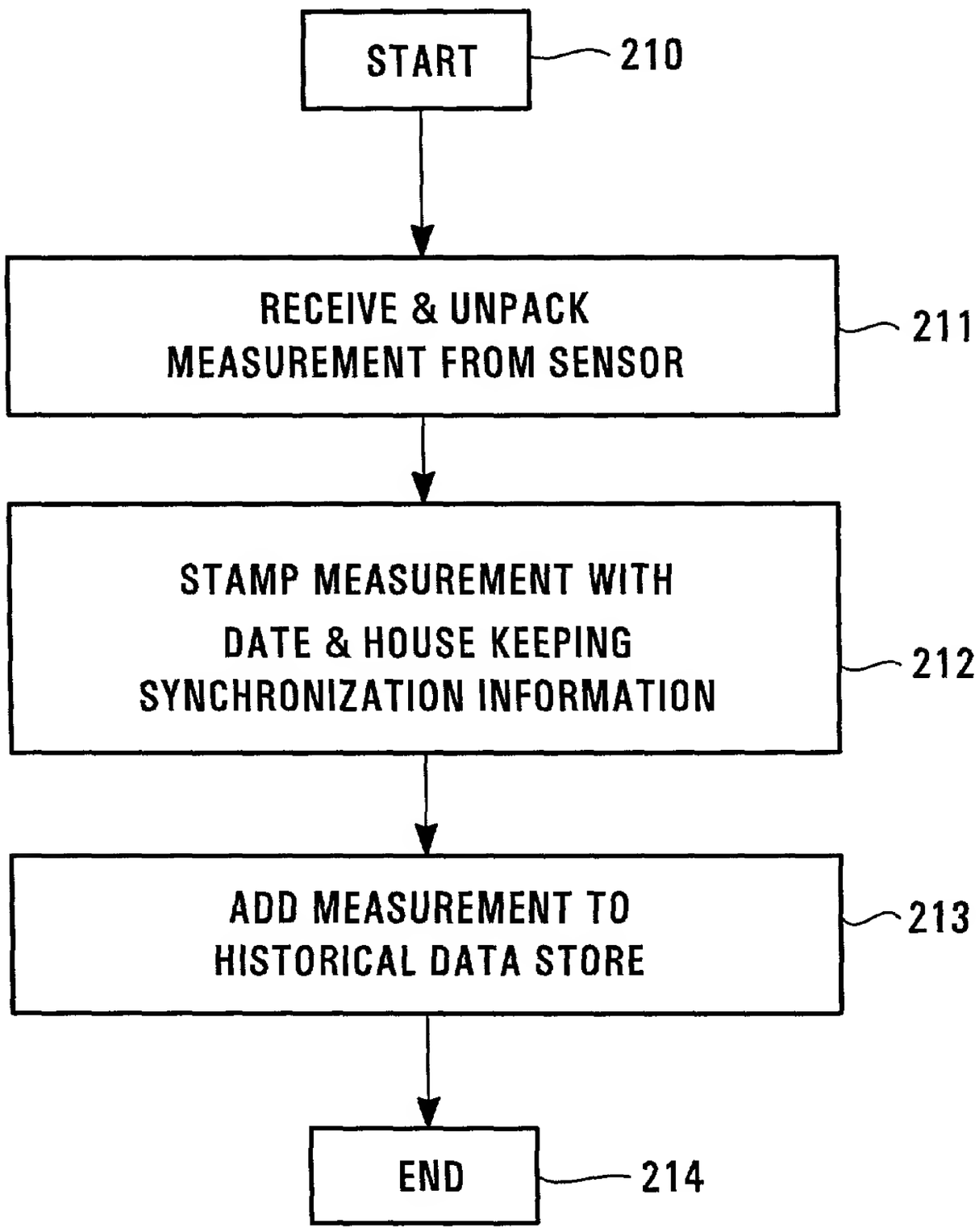
STORE NEW MEASUREMENT PROCESS
START
210
RECEIVE & UNPACK
MEASUREMENT FROM SENSOR
211
STAMP MEASUREMENT WITH
DATE & HOUSE KEEPING
SYNCHRONIZATION INFORMATION
212
ADD MEASUREMENT TO
HISTORICAL DATA STORE
213
END
214

Figure 9A

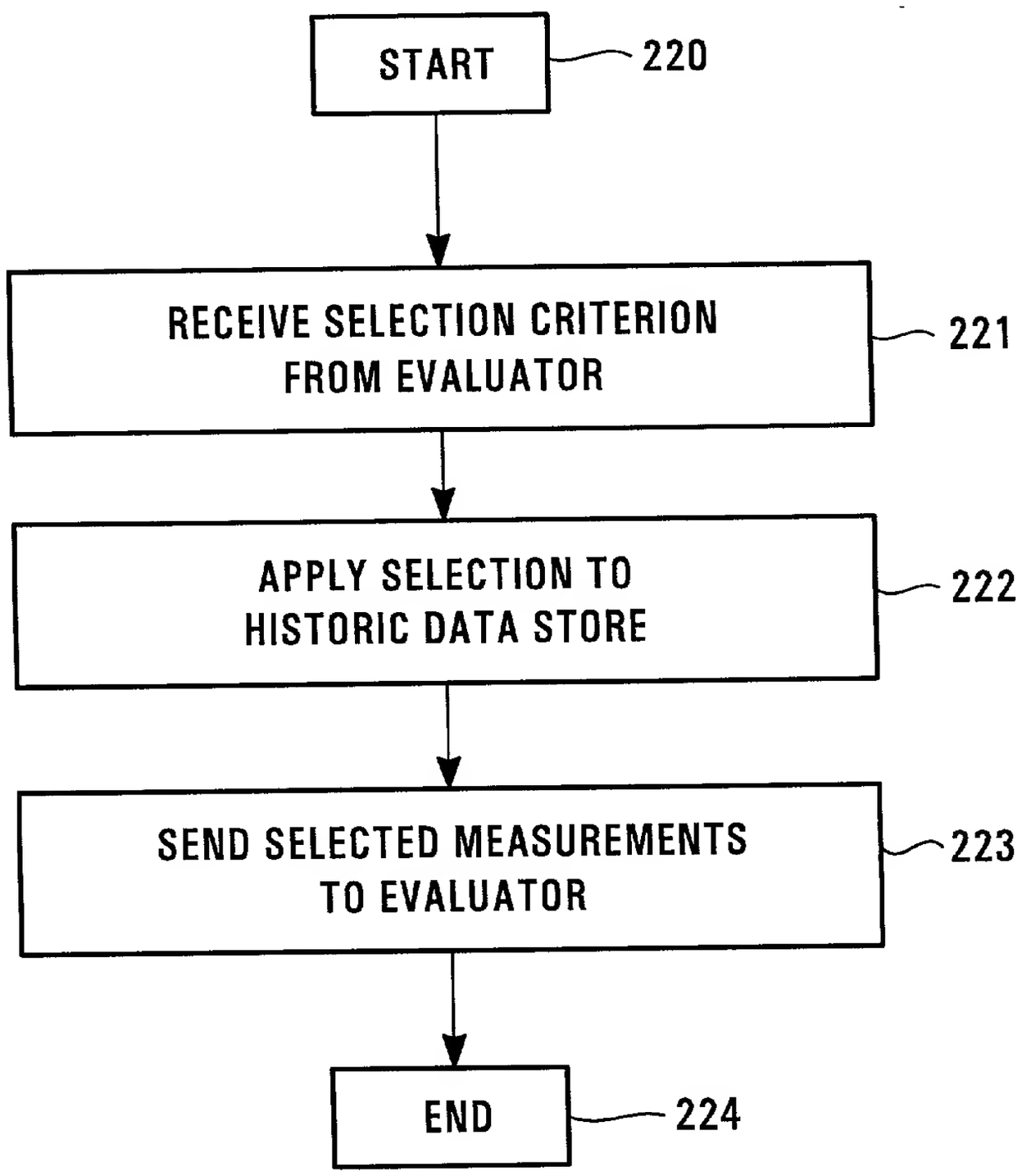
SELECT SUBSET MEASUREMENT PROCESS
START
220
RECEIVE SELECTION CRITERION FROM EVALUATOR
221
APPLY SELECTION TO HISTORIC DATA STORE
222
SEND SELECTED MEASUREMENTS TO EVALUATOR
223
END
224

Figure 9B

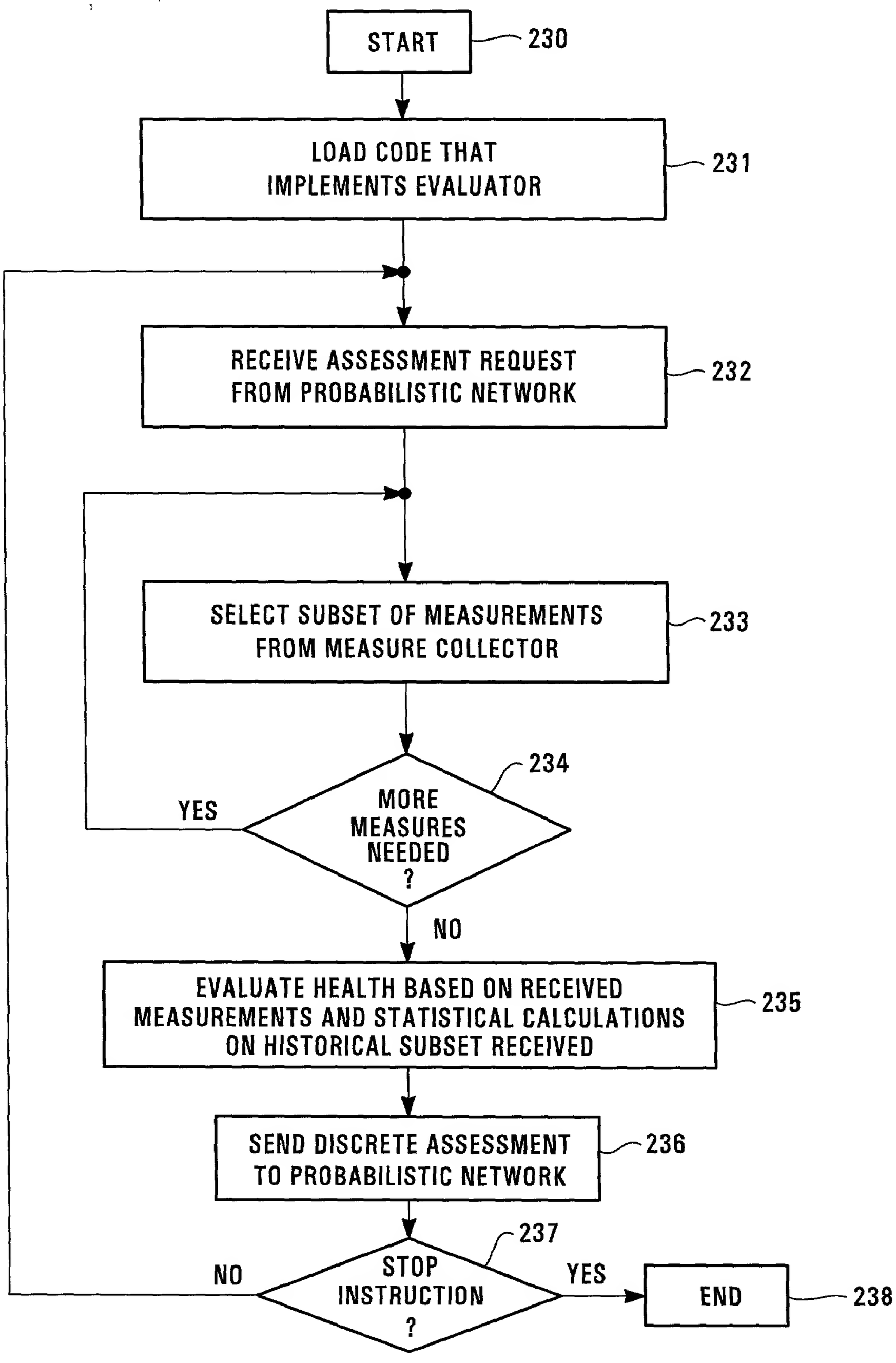
START
230
LOAD CODE THAT IMPLEMENTS EVALUATOR
231
RECEIVE ASSESSMENT REQUEST FROM PROBABILISTIC NETWORK
232
SELECT SUBSET OF MEASUREMENTS FROM MEASURE COLLECTOR
233
MORE MEASURES NEEDED ?
234
YES
NO
EVALUATE HEALTH BASED ON RECEIVED MEASUREMENTS AND STATISTICAL CALCULATIONS ON HISTORICAL SUBSET RECEIVED
235
SEND DISCRETE ASSESSMENT TO PROBABILISTIC NETWORK
236
STOP INSTRUCTION ?
237
NO
YES
END
238

Figure 10

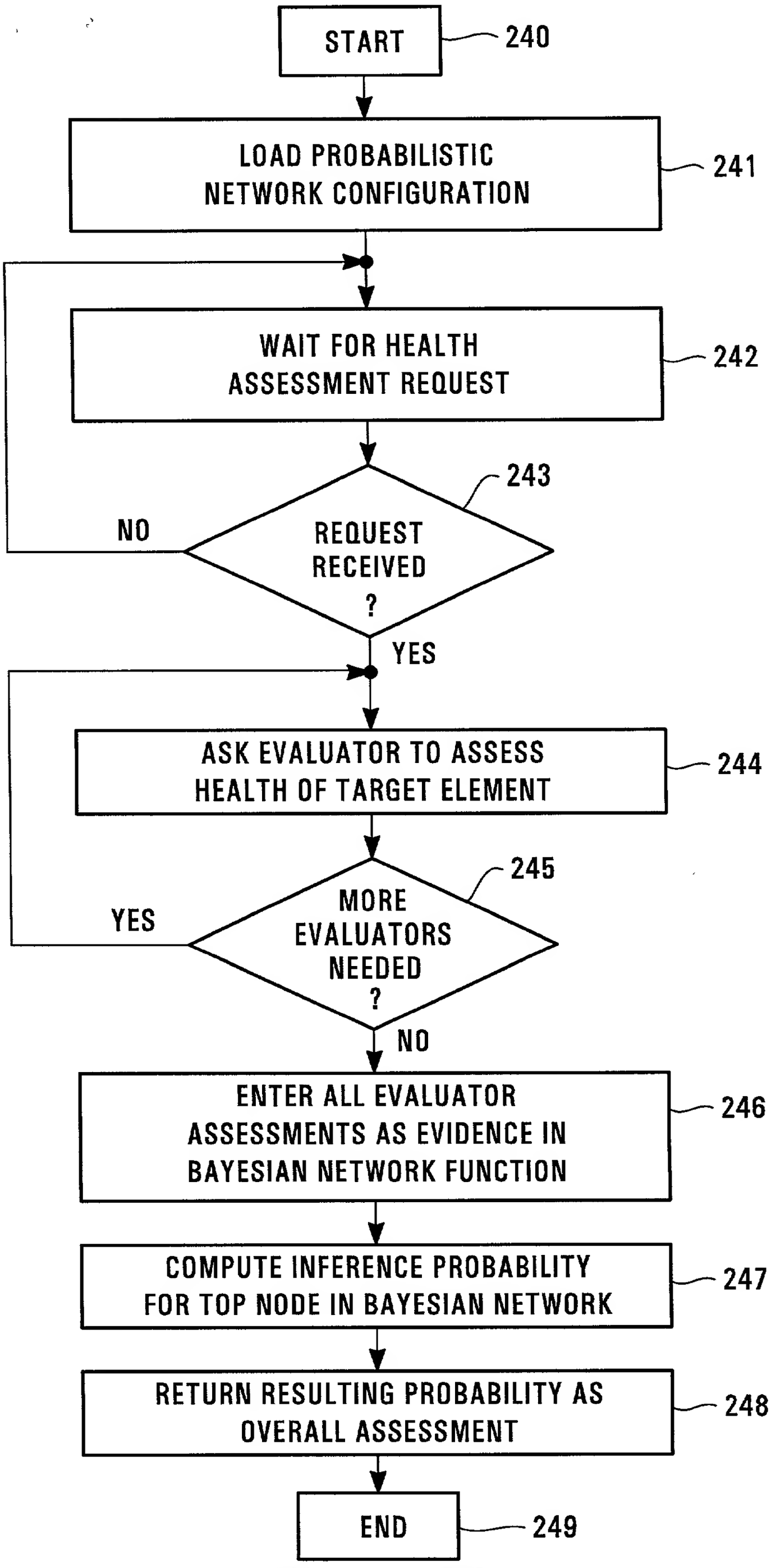

Figure 11

Declassified per 37 CFR 1.84(k)